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(57) **ABSTRACT**

An internal combustion engine equipped with: a cylinder block in the interior of which pistons are arranged; a cylinder head containing recessed parts; cylinder liners affixed to the surfaces of hole parts of the cylinder block; and a variable compression ratio mechanism that changes the mechanical compression ratio. The variable compression ratio mechanism is formed such that the size of the combustion chamber can be changed by moving the cylinder head relative to the cylinder block. The cylinder liners extend such that the end parts facing the cylinder head are arranged within the recessed parts of the cylinder head within the range of relative movement of the cylinder head with respect to the cylinder block.

5 Claims, 7 Drawing Sheets

(58) **Field of Classification Search**
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See application file for complete search history.

